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In the years since the fourth edition of this seminal work was published, active research has developed the Finite Element Method into the pre-eminent tool for the modelling of physical systems. Written by the pre-eminent professors in their fields, this new edition of the Finite Element Method maintains the comprehensive style of the earlier editions and authoritatively incorporates the latest developments of this dynamic field.

Expanded to three volumes the book now covers the basis of the method and its application to advanced solid mechanics and also advanced fluid dynamics. Volume Two: Solid and Structural Mechanics is intended for readers studying structural mechanics at a higher level. Although it is an ideal companion volume to Volume One: The Basis, this advanced text also functions as a "stand-alone" volume, accessible to those who have been introduced to the Finite Element Method through a different route. Volume 1 of the Finite Element Method provides a complete introduction to the method and is essential reading for undergraduates, postgraduates and professional engineers. Volume 3 covers the whole range of fluid dynamics and is ideal reading for postgraduate students and professional engineers working in this discipline. Coverage of the concepts necessary to model behaviour, such as viscoelasticity, plasticity and creep, as well as shells and plates. Up-to-date coverage of new linked interpolation methods for shell and plate formations. New material on non-linear geometry, stability and buckling of structures and large deformations.

Optimizing Network Traffic is a valuable technical resource that outlines the best practices for managing enterprise-scale network traffic on a Microsoft Windows NT Server 4.0 network. Based on the real-world experiences and projects of Microsoft Consulting Services (MCS), this guide helps IT professionals plan, increase, and manage network communications systemwide. Referring to Optimizing Network Traffic is like having an MCS consultant right there to help you determine the best approach to your network traffic needs. You'll learn how other organizations have wrestled with and resolved similar issues in capturing, benchmarking, and analyzing network traffic data to resolve systemwide problems and scalability issues.

Wireless has finally come of age. With a significant jump in throughput over previous standards, 802.11n is the first wireless technology that doesn't trade speed for mobility, and users have stormed onto wireless networks with a passion. In this concise guide, Matthew Gast—chair of the IEEE group that produced revision 802.11-2012—shows you why wireless has become the default method of connecting to a network, and provides technical details you need to plan, design, and deploy 802.11n today. Building a network for the multitude of new devices is now a strategic decision for network engineers everywhere. This book gives you an in-depth look at key parts of 802.11n, and shows you how to achieve an Ethernet-free wireless office. Learn how MIMO's multiple data streams greatly increase wireless speed Discover how 802.11n modifications improve MAC efficiency Examine advanced PHY features such as beamforming and space-time code block Use advanced MAC features to maintain interoperability with older devices Plan an 802.11n network by determining traffic demand, key applications, power requirements, and security Choose the architecture, select hardware, and plan coverage to design and build your network

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The advances in low-power electronic devices integrated with wireless communication capabilities are one of recent areas of research in the field of Wireless Sensor Networks (WSNs). One of the major challenges in WSNs is uniform and least energy dissipation while increasing the lifetime of the network. This is the first book that introduces the energy efficient wireless sensor network techniques and protocols. The text covers the theoretical as well as the practical requirements to conduct and trigger new experiments and project ideas. The advanced techniques will help in industrial problem solving for energy-hungry wireless sensor network applications.

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As we all know by now, wireless networks offer many advantages over fixed (or wired) networks. Foremost on that list is mobility, since going wireless frees you from the tether of an Ethernet cable at a desk. But that's just the tip of the cable-free iceberg. Wireless networks are also more flexible, faster and easier for you to use, and more affordable to deploy and maintain. The de facto standard for wireless networking is the 802.11 protocol, which includes Wi-Fi (the wireless standard known as 802.11b) and its faster cousin, 802.11g. With easy-to-install 802.11 network hardware available everywhere you turn, the choice seems simple, and many people dive into wireless computing with less thought and planning than they'd give to a wired network. But it's wise to be familiar with both the capabilities and risks associated with the 802.11 protocols. And 802.11 Wireless Networks: The Definitive Guide, 2nd Edition is the perfect place to start. This updated edition covers everything you'll ever need to know about wireless technology. Designed with the system administrator or serious home user in mind, it's a no-nonsense guide for setting up 802.11 on Windows and Linux. Among the wide range of topics covered are discussions on: deployment considerations network monitoring and performance tuning wireless security issues how to use and select access points network monitoring essentials wireless card configuration security issues unique to wireless networks With wireless technology, the advantages to its users are indeed plentiful. Companies no longer have to deal with the hassle and expense of wiring buildings, and households with several computers can avoid fights over who's online. And now, with 802.11 Wireless Networks: The Definitive Guide, 2nd Edition, you can integrate wireless technology into your current infrastructure with the utmost confidence.

Anyone who has ever shopped for a new smart phone, laptop, or other tech gadget knows that staying connected is crucial. There is a lot of discussion over which service provider offers the best coverage—enabling devices to work anywhere and at any time—with 4G and LTE becoming a pervasive part of our everyday language. The Handbook of Research on Next Generation Mobile Communication Systems offers solutions for optimal connection of mobile devices. From satellite signals to cloud technologies, this handbook focuses on the ways communication is being revolutionized, providing a crucial reference source for consumers, researchers, and business professionals who want to be on the frontline of the next big development in wireless technologies. This publication features a wide variety of research-based articles that discuss the future of topics such as bandwidth, energy-efficient power, device-to-device communication, network security and privacy, predictions for 5G

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communication systems, spectrum sharing and connectivity, and many other relevant issues that will influence our everyday use of technology.

In COLLEGE MATHEMATICS FOR THE MANAGERIAL, LIFE, AND SOCIAL SCIENCES, Soo T. Tan provides an accessible yet accurate presentation of mathematics combined with just the right balance of applications, pedagogy, and technology to help students succeed in the course. The new Sixth Edition includes highly interesting current applications and exercises to help stimulate student motivation. An exciting new array of supplements provides students with extensive learning support so instructors will have more time to focus on teaching core concepts. Contains lesson plans and reproducible worksheets for a collection of hands-on activities, readers' theaters, and songs that focus on the topic of weather. Activities include making observations of daily weather conditions, seasonal changes, temperature, wind, clouds, and precipitation. Primary students learn how to read weather instruments, how to keep weather records to see how weather changes over time, and what to do in case of severe weather conditions. Reproducible worksheets for learning and assessment activities are also included on the CD-ROM.

Geolocation of RF Signals—Principles and Simulations offers an overview of the best practices and innovative techniques in the art and science of geolocation over the last twenty years. It covers all research and development aspects including theoretical analysis, RF signals, geolocation techniques, key block diagrams, and practical principle simulation examples in the frequency band from 100 MHz to 18 GHz or even 60 GHz. Starting with RF signals, the book progressively examines various signal bands – such as VLF, LF, MF, HF, VHF, UHF, L, S, C, X, Ku, and, K and the corresponding geolocation requirements per band and per application – to achieve required performance objectives of up to 0o precision. Part II follows a step-by-step approach of RF geolocation techniques and concludes with notes on state-of-the-art geolocation designs as well as advanced features found in signal generator instruments. Drawing upon years of practical experience and using numerous examples and illustrative applications, Ilir Progri provides a comprehensive introduction to Geolocation of RF Signals, and includes hands-on real world labs and applications using MATLAB in the areas of: RF signals specifications, RF geolocation distributed wireless communications networks and RF geolocation. Geolocation of RF Signals—Principles and Simulations will be of interest to government agency program managers industry professionals and engineers, academic researchers, faculty and graduate students who are interested in or currently designing, developing and deploying innovative geolocation of RF Signal systems.

The #1 selling Wi-Fi networking reference guide in the world The CWNA: Certified Wireless Network Administrator Study Guide is the ultimate preparation resource for the CWNA exam. Fully updated to align with the latest version of the exam, this book features expert coverage of all exam objectives to help you pass the exam. But passing the exam is just a first step. For over 16 years, the CWNA

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Study Guide has helped individuals jump-start their wireless networking careers. Wireless networking professionals across the globe use this book as their workplace reference guide for enterprise Wi-Fi technology. Owning this book provides you with a foundation of knowledge for important Wi-Fi networking topics, including: Radio frequency (RF) fundamentals 802.11 MAC and medium access Wireless LAN topologies and architecture WLAN design, troubleshooting and validation Wi-Fi networking security The book authors have over 40 years of combined Wi-Fi networking expertise and provide real-world insights that you can leverage in your wireless networking career. Each of the book's 20 chapters breaks down complex topics into easy to understand nuggets of useful information. Each chapter has review questions that help you gauge your progress along the way. Additionally, hands-on exercises allow you to practice applying CWNA concepts to real-world scenarios. You also get a year of free access to the Sybex online interactive learning environment, which features additional resources and study aids, including bonus practice exam questions. The CWNA certification is a de facto standard for anyone working with wireless technology. It shows employers that you have demonstrated competence in critical areas, and have the knowledge and skills to perform essential duties that keep their wireless networks functioning and safe. The CWNA: Certified Wireless Network Administrator Study Guide gives you everything you need to pass the exam with flying colors.

Learn the essentials of wireless networking Configure, manage, and secure wireless networks using the step-by-step details in this practical resource. Wireless Network Administration: A Beginner's Guide shows you how to work with the latest wireless networking standards, including the 802.11x family, on Windows, Mac, and Linux platforms. The book covers wireless network planning, design, hardware, services, protocols, device configuration, security, troubleshooting, and more. This hands-on guide will get you started administering wireless networks in no time. Get details on regulatory and technical organizations Learn about different wireless standards and the basics of RF technologies Understand and determine client-side hardware requirements, including chipsets and various wireless interfaces Select infrastructure-side wireless hardware, such as antennas, wireless access points (WAPs), residential gateways, switches/controllers, routers, and bridges Learn about WLANs, WWANs, WMANs, and WPANs Work with standard wireless network protocols--TCP/IP (IPv4 and IPv6) Understand DNS, DHCP, and other supporting infrastructure services Secure wireless networks using cryptography Configure infrastructure devices, including a wireless access point device and wireless network switches and controllers Configure and manage wireless Microsoft Windows, Mac OS X, and Linux clients Plan, design, survey, deploy, and troubleshoot your wireless network

A guide to cable modems includes tutorials, diagrams, source code examples, hardware schematics, and hacks to get the most out of this Internet connection.

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The next frontier for wireless LANs is 802.11ac, a standard that increases throughput beyond one gigabit per second. This concise guide provides in-depth information to help you plan for 802.11ac, with technical details on design, network operations, deployment, and monitoring. Author Matthew Gast—an industry expert who led the development of 802.11-2012 and security task groups at the Wi-Fi Alliance—explains how 802.11ac will not only increase the speed of your network, but its capacity as well. Whether you need to serve more clients with your current level of throughput, or serve your existing client load with higher throughput, 802.11ac is the solution. This book gets you started.

Understand how the 802.11ac protocol works to improve the speed and capacity of a wireless LAN Explore how beamforming increases speed capacity by improving link margin, and lays the foundation for multi-user MIMO Learn how multi-user MIMO increases capacity by enabling an AP to send data to multiple clients simultaneously Plan when and how to upgrade your network to 802.11ac by evaluating client devices, applications, and network connections

This book explores three interwoven and challenging areas of research and development for future ICT-enabled applications: software intensive systems, complex systems and intelligent systems. Software intensive systems are systems that extensively interact with other systems, sensors, actuators, devices and users. More and more domains are now employing software intensive systems, e.g. the automotive sector, telecommunication systems, embedded systems in general, industrial automation systems and business applications. Moreover, the outcome of web services offers a new platform for enabling software intensive systems. Complex systems research is focused on the overall understanding of systems rather than their components. Complex systems are very much characterized by the changing environments in which they operate through their multiple internal and external interactions. They evolve and adapt through (internal and external) dynamic interactions. The development of intelligent systems and agents, which is increasingly characterized by the use of ontologies, can be beneficial for software intensive systems and complex systems alike. Accordingly, recent research in the areas of intelligent systems, robotics, neuroscience, artificial intelligence, and the cognitive sciences is essential to the future development of software intensive and complex systems. Identifies the parts of a bicycle and explains how to maintain and repair various models of bicycles

Low Complexity MIMO Detection introduces the principle of MIMO systems and signal detection via MIMO channels. This book systematically introduces the symbol detection in MIMO systems. Includes the fundamental knowledge of MIMO detection and recent research outcomes for low complexity MIMO detection.

A one semester introduction to numerical analysis. Includes typical introductory material, root finding, numerical calculus, and interpolation techniques. The focus is on the mathematics rather than application to engineering or sciences.

802.11ac: A Survival GuideWi-Fi at Gigabit and Beyond"O'Reilly Media, Inc."

Special Make-Up Effects concentrates on the genre of horror characters and other special

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creations (fantasy, sci-fi, etc), giving tips about the materials, techniques, and 'tricks of the trade' necessary to create unique make-up effects. This focused volume is a scaled-down version of Vincent Kehoe's encyclopedic reference for professional make-up artists. It contains new segments and photographs. This book shows how many of cinema's most famous characters and effects were developed. It gives students and make-up artists the techniques they need to perform their own magic.

The refereed proceedings of the 9th International Symposium on Spatial and Temporal Databases, SSTD 2005, held in Angra dos Reis, Brazil in August 2005. The 24 revised full papers were thoroughly reviewed and selected from a total of 77 submissions. The book offers topical sections on query optimization and simulation, advanced query processing, spatial/temporal data streams, indexing schemes and structures, novel applications and real systems, moving objects and mobile environments.

SIZE: 6 X 9, PAPER: Lightly Lined on White Paper, PAGES: 100 Pages (50 Sheets Front/Back), COVER: Soft Cover

*****A bright & bold, fun & encouraging Chaos Coordinator notebook journal for Men and Women. Makes a wonderful gift for a graduate, sister, friend, cousin, teammate, boss, teacher, exercise partner, bridesmaid, daughter, son, aunt, mom, or anyone who could use a motivational, inspirational boost. Perfect for taking notes, jotting lists, doodling, brainstorming, prayer and meditation journaling, writing in a diary, or giving as a gift. Not too thick & not too thin, so it's a great size to throw in your purse or bag!

Discusses how to configure and manage Microsoft Server 2012's expanded capabilities, covering data management, user permissions, networking tools, and data integrity.

The Official Study Guide for Exam CWAP-402 from CWNP(R) The Certified Wireless Analysis Professional (CWAP) exam (CWAP-402) tests your knowledge and experience with 802.11 WLAN analysis and troubleshooting. This study guide provides you with the information you need to prepare for the exam and grasp analysis and troubleshooting concepts that allow you to troubleshoot both wired and wireless problems impacting your WLAN. You will learn about troubleshooting methodologies, 802.11 communications and frame exchanges, wireless hardware and software, protocol analysis, and spectrum analysis. This book is your self-study and exam review resource. It is the tool you need to help you prepare for the CWAP-402 exam. While other excellent books may cover the topic of WLAN analysis and troubleshooting, no other book so concisely prepares you for certification success. The CWAP Study Guide includes: - Full coverage of exam CWAP-402 objectives so that you can be prepared on exam day. - Callouts covering important topics related to the exam. - Real-world examples to help you understand design principles. - Exercises to help you gain experience with wireless analysis tools. - Accompanying YouTube videos that demonstrate all exercises.

"For an engineer determined to refine and secure Internet operation or to explore alternative solutions to persistent problems, the insights provided by this book will be invaluable." —Vint Cerf, Internet pioneer TCP/IP Illustrated, Volume 1, Second Edition, is a detailed and visual guide to today's TCP/IP protocol suite. Fully updated for the newest innovations, it demonstrates each protocol in action through realistic examples from modern Linux, Windows, and Mac OS environments. There's no better way to discover why TCP/IP works as it does, how it reacts to common conditions, and how to apply it in your own applications and networks. Building on the late W. Richard Stevens' classic first edition, author Kevin R. Fall adds his cutting-edge experience as a leader in TCP/IP protocol research, updating the book to fully reflect the latest protocols and best practices. He first introduces TCP/IP's core goals and architectural concepts, showing how they can robustly connect diverse networks and support multiple services running concurrently. Next, he carefully explains Internet addressing

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in both IPv4 and IPv6 networks. Then, he walks through TCP/IP's structure and function from the bottom up: from link layer protocols—such as Ethernet and Wi-Fi—through network, transport, and application layers. Fall thoroughly introduces ARP, DHCP, NAT, firewalls, ICMPv4/ICMPv6, broadcasting, multicasting, UDP, DNS, and much more. He offers extensive coverage of reliable transport and TCP, including connection management, timeout, retransmission, interactive data flow, and congestion control. Finally, he introduces the basics of security and cryptography, and illuminates the crucial modern protocols for protecting security and privacy, including EAP, IPsec, TLS, DNSSEC, and DKIM. Whatever your TCP/IP experience, this book will help you gain a deeper, more intuitive understanding of the entire protocol suite so you can build better applications and run more reliable, efficient networks.

With technically co sponsored by IEEE ComSoc(Communications Society), IEEE ComSoc CISTC(Communications & Information Security Technical Community), and IEEE ComSoc ONTC(Optical Networking Technical Community), the ICACT(International Conference on Advanced Communications Technology) Conference has been providing an open forum for scholars, researchers, and engineers to the extensive exchange of information on newly emerging technologies, standards, services, and applications in the area of the advanced communications technology The conference official language is English All the presented papers have been published in the Conference Proceedings, and posted on the ICACT Website and IEEE Xplore Digital Library since 2004 The honorable ICACT Out Standing Paper Award list has been posted on the IEEE Xplore Digital Library also, and all the Out Standing papers are subjected to the invited paper of the ICACT Transactions on the Advanced Communications Technology Journal issued by

'The WiFi Networking Book: WLAN Standards: IEEE 802.11 bgn, 802.11n, 802.11ac and 802.11ax' starts from the ground up for a new user and does a gradual progression into the technical details around IEEE 802.11 Wireless Lan communications standard. The book details the 'legacy' 802.11 stack (a/b/g) and also goes into the latest wave of 802.11 standards - 802.11n, ac and ax. Introduction A wireless LAN (WLAN) is a data transmission system designed to provide location-independent network access between computing devices by using radio waves rather than a cable infrastructure . In the corporate enterprise, wireless LANs are usually implemented as the final link between the existing wired network and a group of client computers, giving these users wireless access to the full resources and services of the corporate network across a building or campus setting. The widespread acceptance of WLANs depends on industry standardization to ensure product compatibility and reliability among the various manufacturers. The 802.11 specification as a standard for wireless LANS was ratified by the Institute of Electrical and Electronics Engineers (IEEE) in the year 1997. This version of 802.11 provides for 1 Mbps and 2 Mbps data rates and a set of fundamental signaling methods and other services. Like all IEEE 802 standards, the 802.11 standards focus on the bottom two levels the ISO model, the physical layer and link layer. Any LAN application, network operating system, protocol, including TCP/IP and Novell NetWare, will run on an 802.11-compliant WLAN as easily as they run over Ethernet. What is inside Overview on Wireless Technologies, Usage Scenarios and related Taxonomy Wireless LAN and 802.11 WiFi: Architecture, 802.11 Physical Layer, 802.11 Data Link Layer, 802.11 Security 802.11 Standards: 802.11b, 802.11a, 802.11g,

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802.11n MIMO, 802.11ac - Wave 1 and Wave 2, 802.11ax WiMax Networks: Forum, WiMax Protocol, WiMax Architecture

This book contains revised versions of all the papers presented at the 16th International Conference on Cryptology and Network Security, CANS 2017, held in Hong Kong, China, in November/ December 2017. The 20 full papers presented together with 8 short papers were carefully reviewed and selected from 88 submissions. The full papers are organized in the following topical sections: foundation of applied cryptography; processing encrypted data; predicate encryption; credentials and authentication; web security; Bitcoin and blockchain; embedded system security; anonymous and virtual private networks; and wireless and physical layer security.

MATHEMATICAL APPLICATIONS FOR THE MANAGEMENT, LIFE, AND SOCIAL SCIENCES, 9th, International Edition is intended for a two-semester applied calculus or combined finite mathematics and applied calculus course. The book's concept-based approach, multiple presentation methods, and interesting and relevant applications keep students who typically take the course—business, economics, life sciences, and social sciences majors—engaged in the material. This edition broadens the book's real-life context by adding a number of environmental science and economic applications. The use of modeling has been expanded, with modeling problems now clearly labeled in the examples. Also included in the Ninth Edition is a brief review of algebra to prepare students with different backgrounds for the material in later chapters.

If you've been searching for a way to get up to speed on IEEE 802.11n and 802.11ac WLAN standards without having to wade through the entire specification, then look no further. This comprehensive overview describes the underlying principles, implementation details and key enhancing features of 802.11n and 802.11ac. For many of these features the authors outline the motivation and history behind their adoption into the standard. A detailed discussion of key throughput, robustness, and reliability enhancing features (such as MIMO, multi-user MIMO, 40/80/160 MHz channels, transmit beamforming and packet aggregation) is given, plus clear summaries of issues surrounding legacy interoperability and coexistence. Now updated and significantly revised, this 2nd edition contains new material on 802.11ac throughput, including revised chapters on MAC and interoperability, plus new chapters on 802.11ac PHY and multi-user MIMO. An ideal reference for designers of WLAN equipment, network managers, and researchers in the field of wireless communications.

Mobile Cloud Computing: Foundations and Service Models combines cloud computing, mobile computing and wireless networking to bring new computational resources for mobile users, network operators and cloud computing providers. The book provides the latest research and development insights on mobile cloud computing, beginning with an exploration of the foundations of cloud computing, existing cloud infrastructures classifications, virtualization techniques and service models. It then examines the approaches to building cloud services using a bottom-up approach, describing data center design, cloud networking and software orchestration solutions, showing how these solutions support mobile devices and services. The book describes mobile cloud clouding concepts with a particular focus on a user-centric approach, presenting a distributed mobile cloud service model called POEM to manage mobile cloud resource and compose mobile cloud applications. It concludes with a close examination of the security and privacy issues of mobile clouds. Shows how to construct new mobile cloud

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based applications Contains detailed approaches to address security challenges in mobile cloud computing Includes a case study using vehicular cloud

Designing and Deploying 802.11 Wireless Networks Second Edition A Practical Guide to Implementing 802.11n and 802.11ac Wireless Networks For Enterprise-Based Applications Plan, deploy, and operate high-performance 802.11ac and 802.11n wireless networks The new 802.11ac standard enables WLANs to deliver significantly higher performance. Network equipment manufacturers have refocused on 802.11ac- and 802.11n-compliant solutions, rapidly moving older versions of 802.11 toward “legacy” status. Now, there’s a complete guide to planning, designing, installing, testing, and supporting 802.11ac and 802.11n wireless networks in any environment, for virtually any application. Jim Geier offers practical methods, tips, and recommendations that draw on his decades of experience deploying wireless solutions and shaping wireless standards. He carefully introduces 802.11ac’s fundamentally different design, site survey, implementation, and network configuration techniques, helping you maximize performance and avoid pitfalls. Geier organizes each phase of WLAN deployment into clearly defined steps, making the entire planning and deployment process easy to understand and execute. He illuminates key concepts and methods through realistic case studies based on current Cisco products, while offering tips and techniques you can use with any vendor’s equipment. To build your skills with key tasks, you’ll find several hands-on exercises relying on free or inexpensive tools. Whether you’re deploying an entirely new wireless network or migrating from older equipment, this guide contains all the expert knowledge you’ll need to succeed. Jim Geier has 30 years of experience planning, designing, analyzing and implementing communications, wireless, and mobile systems. Geier is founder and Principal Consultant of Wireless-Nets, Ltd., providing wireless analysis and design services to product manufacturers. He is also president, CEO, and co-founder of Health Grade Networks, providing wireless network solutions to hospitals, airports, and manufacturing facilities. His books include the first edition of Designing and Deploying 802.11n Wireless Networks (Cisco Press); as well as Implementing 802.1X Security Solutions and Wireless Networking Handbook. Geier has been active in the IEEE 802.11 Working Group and Wi-Fi Alliance; has chaired the IEEE Computer Society (Dayton Section) and various conferences; and served as expert witness in patent litigation related to wireless and cellular technologies. Review key 802.11 concepts, applications, markets, and technologies Compare ad hoc, mesh, and infrastructure WLANs and their components Consider the impact of radio signal interference, security vulnerabilities, multipath propagation, roaming, and battery limitations Thoroughly understand today’s 802.11 standards in the context of actual network deployment and support Plan your deployment: scoping, staffing, schedules, budgets, risks, feasibility analysis, and requirements Architect access networks and distribution system for maximum reliability, manageability, and performance Make the right tradeoffs and decisions to optimize range, performance, and roaming Secure WLANs via encryption, authentication, rogue AP detection, RF shielding, and policies Master design and site survey tools and methods for planning 802.11ac networks and migrations Efficiently install and test any 802.11ac or 802.11n wireless network Establish specialized support for wireless networks, including help desk operations Systematically troubleshoot connectivity, performance, and roaming issues Design efficient mesh networks and city-wide

deployments

A moving tribute to the true meaning of Christmas, this charming holiday collection features over fifty true stories that will make you laugh, cry and remind you that the greatest gifts in life can't be wrapped. There's something truly magical about Christmas. Combining two charming story collections—A Miracle Under the Christmas Tree and A Kiss Under the Mistletoe—into one beautiful package, these heartwarming stories of the kindness of strangers, reunions with loved ones and the blessings of answered prayers capture the spirit of the season. From a snowy impromptu game of Frisbee in the center of a holiday light display to a woman's trepidation as she arrives home on Christmas Eve with crates of rescued shelter dogs, these stories will brighten the spirit of you and your family this season and for many future seasons to come. Some stories are funny, some are sweet and some are heartbreaking, but all of them show that if our hearts are open to giving and receiving love during this special season, incredible things can happen.

High-precision location information is increasingly useful for mobile application developers, since it allows devices to interact with the world around them. This practical book shows you how to achieve arm's reach accuracy with iBeacons, simple transmitters that enable your applications to react to nearby surroundings and then deliver timely, relevant information—especially indoors, where GPS and cell service are inaccurate. Whether you're enabling a map, giving users directions, creating a game, recommending purchases, letting users check in, or creating an immersive experience, you'll learn how iBeacons provide precise location information, empowering your applications to engage and interact with users nearby. Get examples of several application types you can build with iBeacons Learn how iBeacons provide applications with proximity information Set up, activate, and test iBeacons on both specialized and general-purpose hardware Explore the APIs and tools you need to develop location-aware mobile applications Use built-in iOS features to interact with iBeacons, including Passbook Build networks to help shoppers, travelers, conference attendees, and others find what they're looking for

MOCAK Museum of Contemporary Art in Krakow, which opened on 19 May 2011, is the first post-war institution in Poland founded and purpose-built for the presentation of international contemporary art. The Museum's vibrant programme extends beyond its physical boundaries, and had included exhibitions in venues across Poland and in wider Europe, from the MAXXI - Museo Nazionale delle Arti del XXI Secolo - to the Center for Persecuted Arts in Solingen, the Semperoper Dresden, Kunstmuseum Gelsenkirchen, the Exhibition and Conference Centre LITEXPO in Vilnius and the Palace of Art in Lviv. This selection, chosen by the Director herself, is the perfect introduction to this diverse collection. Her incisive commentary elucidates the complex works displayed and grants new and thought-provoking insights into the work and workings of contemporary artists. AUTHOR: Maria Anna Potocka has been the Director of the MOCAK Museum of Contemporary Art in Krakow since 2010. She is the founder of four art galleries, the creator of an international art collection (1973-2010, donated to MOCAK) and the curator of numerous exhibitions. She has authored many books and theoretical texts and is a member of the IKG, AICA, ICOM and SPP. SELLING POINTS: * Incisive commentary illuminates complex works for all readers, whatever their previous engagement with contemporary art * The vast majority of the works

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featured are by living artists, giving the book a fresh and vivid appeal * New colour photography captures the detail in the diverse range of mediums shown 40 colour images

Presents a guide for electrical designers and installers, covering data communication. This work delivers the information needed to make smart decisions about the selection, installation, and implementation of data communication equipment and services. It includes sidebars with relevant NEC articles, numerous illustrations, and a glossary finish.

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